

EXECUTIVE OFFICER SUMMARY REPORT  
November 10, 2004

ITEM: 5

SUBJECT: **Cover sheet for 2<sup>nd</sup> mailing:** NPDES PERMIT REVISION: WASTE DISCHARGE REQUIREMENTS FOR U.S. NAVAL BASE SAN DIEGO SAN DIEGO COUNTY (TENTATIVE ADDENDUM NO. 1 TO ORDER NO. R9-2002-0169, NPDES PERMIT NO. CA0109169) (John R. Phillips)

PURPOSE: To transmit a Project Summary that includes additional monitoring data from bench-scale testing of the proposed storm water treatment system.

PUBLIC NOTICE: N/A

DISCUSSION: On November 2, 2004 the U.S. Navy submitted the analytical results of the most recent water quality analysis of the runoff treated by the bench-scale model of the storm water treatment system proposed for use at the Naval Regional Recycling Center. The report is included as Supporting Document 8.

The Navy used artificial rain (potable water) to simulate rainfall and treated the runoff with the bench-scale model. The results of the tests indicate that the treatment system will reduce metals concentrations for copper and zinc concentrations to values below the effluent limitations in Order No. R9-2002-0169. The limitation for copper is 63 ug/L (micrograms per liter) and the effluent limitation for zinc is 117 ug/L.

The Navy also conducted toxicity monitoring of the runoff using *mysidopsis bahia*, a shrimp. The analytical results indicate that the treatment system can produce an effluent discharging to San Diego Bay that complies with the toxicity effluent performance goal specified in the Order:

“For the NAVSTA facility, effective 4 years after the adoption of this Order, in a 96-hour static or continuous flow bioassay (toxicity) test, undiluted storm water runoff associated with industrial activity shall not produce less than 90% survival, 50% of the time, and not less than 70% survival, 10% of the time, using standard test species and protocol.”

The performance goal becomes an enforceable effluent limitation four-years after adoption of the Order, on November 10, 2006.

The Navy is planning to install a full-scale treatment system at the Naval Regional Recycling Center in the near future. The treatment system will be designed to treat the runoff from the 3.55 acre site that results from the first ½ inch of rain. The volume to be treated is about 42,000 gallons of runoff.

As of November 3, 2004 the Regional Board has not received any comments on the tentative Addendum.

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| COMPLIANCE:           | N/A  |
| KEY ISSUES:           | N/A  |
| LEGAL CONCERNS:       | N/A  |
| SUPPORTING DOCUMENTS: | 8. Project Summary, received on November 2, 2004         |
| RECOMMENDATION:       | Adopt tentative Addendum No. 1 to Order No. R9-2002-0169 |